

WHAT IS CLAIMED IS:

1. A solar cell module comprising a rectangular base member, a solar cell provided on an upper surface of the base member and an insulating support member provided on a lower surface of the base member, and  
5 configured to be laid together with tiles on the roof of a building, said module further comprising:

an overlapping part provided on the base member and configured to overlap a trough section of an adjacent tile or a trough section of an adjacent solar  
10 cell module; and

a projecting part provided on the base member and configured to overlap the trough section of the adjacent tile or the trough section of the adjacent  
15 solar cell module.

2. The solar cell module according to claim 1, wherein the base member is made of incombustible material.

3. The solar cell module according to claim 1, wherein the insulating support member is made of foamed  
20 synthetic resin.

4. The solar cell module according to claim 1, wherein the projecting part extends from a ridge-side end to eaves-side end of the trough section of the tile  
25 or solar cell module.

5. The solar cell module according to claim 1, wherein a lower surface of the projecting part contacts

an upper edge of a rising wall which defines the trough section of the tile or solar cell module.

6. The solar cell module according to claim 1, wherein a plurality of drainage grooves are made in a surface of the insulating support member, the  
5 drainage grooves extending from a ridge-side end to eaves-side end of the insulating support member.

7. A method of laying solar cell modules together with tiles on the roof of a building, comprising:  
10 laying at least one waterproof member between each solar cell module and one tile which are laid adjacent in the direction of gradient of the roof.

8. The method of laying solar cell modules, according to claim 7, wherein the waterproof member  
15 has substantially the same height as the tile.

9. The method of laying solar cell modules, according to claim 7, wherein the waterproof member is made of incombustible material.

10. The method of laying solar cell modules, according to claim 7, wherein a seal member achieves  
20 a watertight seal between the waterproof member and the solar cell module and tile which are laid adjacent in the direction of gradient of the roof.

11. The method of laying solar cell modules, according to claim 7, wherein the waterproof member  
25 has a trough section that renders waterproof a junction between the solar cell module and tile which are laid

adjacent in the direction of gradient of the roof.

12. The method of laying solar cell modules,  
according to claim 7, wherein the waterproof member  
overlaps one side of a solar cell module or a tile,  
5 said module and tile being laid adjacent in the  
direction of gradient of the roof.

13. A method of laying solar cell modules together  
with tiles on a roof panel, comprising:

laying a solar cell at upper edges of the tiles  
10 laid on the roof; and

fastening an eaves side of the solar cell module  
to ridge sided of the tiles by means of fastening  
strips which prevent the solar cell module from blown  
off.

15 14. The method of laying solar cell modules,  
according to claim 13, wherein the fastening strips  
which prevent the solar cell module from blown off have  
an engaging part which passes through a ridge-side end  
of one tile, which is secured to the roof and which is  
20 coupled to an eaves-side end of the solar cell module  
laid at the upper edges of the tiles.

15. The method of laying solar cell modules,  
according to claim 13, wherein the fastening strips  
which prevent the solar cell module from blown off have  
25 a height-adjusting screw which has a tip abutting on an  
upper surface of a tile and which can adjust a height  
of the engaging part coupled to the eaves-side end of

the solar cell module laid at the upper edges of the tiles.

16. The method of laying solar cell modules, according to claim 13, wherein the solar cell module  
5 has an effective width which is an integral multiple of the width of the tiles, and the fastening strips which prevent the solar cell module from blown off are arranged at regular intervals in a widthwise direction of the solar cell module, thereby fastening the ridge  
10 side of the solar cell module to the eaves sides of the tiles.

17. An apparatus for preventing a solar cell module from being blown off, the solar cell module being laid together with tiles on a roof panel, wherein  
15 members for preventing the solar cell module from being blown off are provided at ridge sides of the tiles, coupling eaves side of the solar cell module laid at upper edges of the tiles to the ridge sides of the tiles.

20 18. The apparatus for preventing a solar cell module from being blown off, according to claim 17, wherein the main section of each strip for preventing solar cell module from being blown off has an engaging part and a fastening hole elongated in the direction of  
25 gradient of the roof.

19. The apparatus for preventing a solar cell module from being blown off, according to claim 17,

wherein the main section of each strip for preventing solar cell module from being blown off has a height-adjusting screw located closer to the eaves side than the fastening hole.

- 5           20. A method of laying solar cell modules together with tiles on a roof panel, comprising:
- arranging fastening strips which prevent solar cell modules from being blown off, at a ridge side of a solar cell module on the roof panel, the fastening
- 10          strips being removably coupled to the eaves side of an upper-side solar cell module.